wavelength of 570 nm, respectively. Furthermore, 60 μL of reagent 2-D, -E, -F or -G corresponding to reagent 1-D, -E, -F, or -G, respectively, was added, and kept in a constant temperature at 37°C for 5 minutes. At this point of time, absorbance 2 was measured at a main wavelength of 340 nm and a side wavelength of 570 nm, respectively. A difference between the absorbances 1 and 2 was obtained.

Reagent 1-D and Reagent 2-D for Experiment 1

Reagent 1-D

Buffer solution	pH 7.0
β-NAD	6.0 mmol/L
Sodium cholate	0.1%

Reagent 2-D

Buffer solution	pH 8.5
Cholesterol dehydrogenase (CDH)	20.0 U/mL
LPL (derived from Chromobacterium viscosum)	0 to 15 U/mL
Sodium cholate	0.2%

Reagent 1-E and Reagent 2-E for Experiment 2

Reagent 1-E

Buffer solution	pH 7.0
Hydrazinium dichloride	0 to 100 mmol/L
β-NAD	6.0 mmol/L

Sodium cholate	0.1%

Reagent 2-E

Buffer solution	pH 8.5
Cholesterol dehydrogenase (CDH)	20.0 U/mL
LPL (derived from Chromobacterium viscosum)	6.0 U/mL
Sodium cholate	0.2%

Reagent 1-F and Reagent 2-F for Experiment 3

Reagent 1-F

Buffer solution	pH 7.0
β-NAD	6.0 mmol/L
Nonion K-230 (HLB value 17.3)	0 to 1.0%
Sodium cholate	0.1%

Reagent 2-F

Buffer solution	pH 8.5
Cholesterol dehydrogenase (CDH)	20.0 U/mL
LPL (derived from Chromobacterium viscosum)	6.0 U/mL
Sodium cholate	0.2%

Reagent 1-G and Reagent 2-G for Experiment 4

Reagent 1-G

Buffer solution	pH 7.0

Hydrazinium dichloride	100 mmol/L
β-NAD	6.0 mmol/L
Nonion K-230 (HLB value 17.3)	0 to 1.0%
Sodium cholate	0.1%

Reagent 2-G

Buffer solution	pH 8.5
Cholesterol dehydrogenase (CDH)	20.0 U/mL
LPL (derived from Chromobacterium viscosum)	6.0 U/mL
Sodium cholate	0.2%

Discussion on Experiment 1 (Fig. 1)

The results of examination on the specificity of LPL derived from Chromobacterium viscosum to the lipoprotein fraction indicated that LPL acted very strongly on the HDL and VLDL fractions and showed weak reactivity with respect to the LDL fraction. Using this enzyme, the following experiments were proceeded. Note that, in each reagent, 6 U/mL of the enzyme was added.

Discussion on Experiment 2 (Fig. 2)

The effect of addition of hydrazine was confirmed. The addition of hydrazine further strengthened the specific reactivity of LPL with respect to the HDL fraction. The reactivity with respect to the LDL fraction showed substantially no variation. Based on